

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC SIGNAL AT MD 80 AND CAMPUS DRIVE IN FREDERICK COUNTY. MD 80 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

I. NORMAL OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA (6) SIX-PHASE FULLY-TRAFFIC-ACTUATED MODE WITH THE MD 80 APPROACHES RUNNING CONCURRENTLY AND THE CAMPUS DRIVE APPROACHES OPERATING CONCURRENTLY. THERE WILL BE EXCLUSIVE/PERMISSIVE LEFT TURNS FOR EASTBOUND AND WESTBOUND MD 80. A PUSHBUTTON ACTIVATED PEDESTRIAN PHASE WILL OPERATE CONCURRENTLY WITH SOUTHBOUND CAMPUS DRIVE AND WESTBOUND MD 80.

CONTROLLER REQUIREMENTS:

THE EXISTING CONTROLLER WILL BE USED. IT IS A FULLY TRAFFIC ACTUATED EIGHT-PHASE TRAFFIC SIGNAL CONTROLLER IN A BASE - MOUNTED SYSTEM - READY CABINET WITH VIDEO CAMERA DETECTION.

THE CENTRAL CONTROL UNIT SHALL BE SUBMITTED TO THE SHA SIGNAL SHOP FOR PROGRAMMING.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR:

CATAGORY  
CODE NO. SPEC. NO. QUANTITY DESCRIPTION

NO EQUIPMENT TO BE SUPPLIED BY SHA.

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR:

CATAGORY CODE NO.	SPEC. NO.	QUANTITY	DESCRIPTION
120500	104	LS	Maintenance of Traffic
210026	206	25 CY	Removal of Existing Sidewalk
708200	708	151 SY	Sodding
800000		2 EA	Unbag Pedestrian Signal Head
800000		2 EA	Adjust Video Detection Zone
800000		1 EA	Adjust Micro Probe Location Within Conduit
873001	873	LS	Remove & Dispose of Existing Equipment

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7941 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.

ALL ITEMS REMOVED IN ACCORDANCE WITH THESE PLANS SHALL BECOME PROPERTY OF THE CONTRACTOR.

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

MR. JOHN CONCANNON  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (301) 624-8141

MS. ANDREA ABEND  
UTILITY ENGINEER  
PHONE: (301) 624-8115

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

MR. RAY JOHNSON  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (301) 624-8106

THE POWER COMPANY REPRESENTATIVE IS:  
ALLEGHENY POWER  
MR. BRUCE WIBBERLY  
PHONE: (301) 694-4485

No Change to Wiring

PHASING CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PHASE 1+5	R/-G	R/-G	R	R/-G	R/-G	R	R	R	R	R	R	R	DW	DW	DW	DW
1+5 CHANGE TO PHASE 1+6, 2+5, OR 2+6																
PHASE 1+6	G/-G	G/-G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1+6 CHANGE	G/-Y	G/-Y	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2+5	R	R	R	G/-G	G/-G	G	R	R	R	R	R	R	WK	WK	DW	DW
2+5 CHANGE	R	R	R	G/-Y	G/-Y	G	R	R	R	R	R	R	WK	WK	DW	DW
PHASE 2+6	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK	DW	DW
PHASE PED CLEAR	G	G	G	G	G	G	R	R	R	R	R	R	FL/DW	FL/DW	DW	DW
2+6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 4+8	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW
4+8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4+8 ALT	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	WK	WK
PHASE PED CLEAR	R	R	R	R	R	R	G	G	G	G	G	G	DW	DW	FL/DW	FL/DW
4+8 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

ULTIMATE TRAFFIC SIGNAL GENERAL INFORMATION  
MD 80 AT CAMPUS DR

DRAWN BY: B. MARTINE	F.A.P. NO. NONE	TS NO. TS-4166 B-GI	SHEET NO. 168 OF 200
CHECKED BY: N. LEARY	S.H.A. NO. NONE	T.I.M.S. NO. H063	
SCALE: N/A	COUNTY: FREDERICK		
DATE: 4/1/02	LOG MILE: 10000805.93		